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- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(57) Abstract: A medicament for the treatment or prevention of diseases due to infection by Neisseria meningitidis, characterized in that it comprises glycoconjugates and/or lipooligosaccharides (LOS) included in outer membrane vesicles, blebs, lipid layers, liposomes and/or killed or commensal bacteria with cross-reactive antigens to Neisseria meningitidis of the serogroup A, B, C, H, I, K, L, X, Y, Z, 29E or W135, or non-capsulated meningococcal strains, and/or antibodies against such glycoconjugates and/or lipooligosaccharides.



Relevant to claim No.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/095 A61P31/04

C. DOCUMENTS CONSIDERED TO BE RELEVANT

//A61K33/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Category °

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages

EPO-Internal, BIOSIS, MEDLINE, EMBASE, WPI Data

X	JI YIN-DUO ET AL: "The antigen specificity of meningococcal baantibodies induced by N. lactam meningitidis." ZHONGHUA WEISHENGQUXUE HE MIANY vol. 14, no. 4, 1994, pages 233 XP008013995	1,2,4,5, 7,8	
Y	ISSN: 0254-5101 abstract	-/	9,10
"A" docum consi "E" earlier filling "L" docum which citatic "O" docum other "P" docum later t	ther documents are listed in the continuation of box C. ategories of cited documents: ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or a is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed exactual completion of the international search	*T* later document published after the into or priority date and not in conflict with cited to understand the principle or the invention *X* document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the deserged to invention step	ernational filing date In the application but Beory underlying the Idlamed Invention It be considered to Beory to be considered to be consid
	Ill November 2003 Imalling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	20/11/2003 Authorized officer Noë, V	

0.40	ALL AND PROGRAMMENTS CONTRIBUTED TO BIT DELEVANT	FC1/EP 03/00/99	
Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	WO 00 50074 A (GORRINGE ANDREW RICHARD; HUDSON MICHAEL JOHN (GB); IMP COLLEGE SCH) 31 August 2000 (2000-08-31) page 1, line 5 - line 8 page 2, line 25 - line 32 page 3, line 8 - line 24 page 4, line 2 - line 5 page 5, line 19 -page 6, line 13 page 10, line 20 - line 26 page 11, line 24 -page 12, line 3 examples 3,4 claims 1-6	1,2,4-7, 9,10	
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Υ	FR 2 782 642 A (FORCEVILLE XAVIER) 3 March 2000 (2000-03-03) page 4, line 4 - line 5 claims 1,3,6	9,10	
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A	GRIFFISS J M ET AL: "Meningococcal molecular mimicry and the search for an ideal vaccine." TRANSACTIONS OF THE ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE. ENGLAND 1991, vol. 85 Suppl 1, 1991, pages 32-36, XP008013992 ISSN: 0035-9203 page 34		





Box I O	bservations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Interna	ational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Cl	laims Nos.: ecause they relate to subject matter not required to be searched by this Authority, namely:
ы	claims Nos.: ecause they relate to parts of the International Application that do not comply with the prescribed requirements to such n extent that no meaningful International Search can be carried out, specifically:
	see FURTHER INFORMATION sheet PCT/ISA/210
з. 🔲 с	claims Nos.: ecause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II C	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This intern	national Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. 🗌 ¦	No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Present claims 1,3-11 relate to a compounds defined by reference to a desirable characteristic or property, namely glycoconjugates and lipooligosaccharides form commensal baceria with cross reactive antigens to Neisseria meningitids and antibodies against such glycoconjugates and lipooligosaccharides

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the glycoconjugates and lipooligosaccharides from Moraxella catarrhalis and Neisseria lactamica (see claim 2, and cescription page 16, line 26-29 and examples) p

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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